

What we claim as our invention is:

1. A printing press cylinder, comprising:
  - a first hub having a bore for engaging a printing press shaft and having a first profile for engaging a first partial shell,
  - a second hub having a bore for engaging a printing press shaft and having a first profile for engaging a first partial shell, and
  - a first partial shell having a first pair of profiles adapted for engaging the first profiles on each of the first and second hubs.
2. A printing press cylinder according to Claim 1, wherein each of the first and second hubs comprises an upper hub section and a lower hub section, and half of the bore is formed in each of the upper hub section and the lower hub section.
3. A printing press cylinder according to Claim 2, further comprising clearance holes in each upper hub section, threaded holes in each lower hub section, and threaded fasteners positioned through the clearance holes and threaded into the threaded holes.
4. A printing press cylinder according to Claim 1, further comprising a latch releasably attaching the first partial shell to at least one of the first and second hubs when the first partial shell first pair of profiles are engaged with the first profiles on each of the first and second hubs.

5. A printing press cylinder according to Claim 4, wherein the latch comprises a moving part carried on at least one of the first and second hubs.
6. A printing press cylinder according to Claim 5, wherein the latch comprises a spring urging the moving part into the latched position.
7. A printing press cylinder according to Claim 4, wherein the latch comprises a moving part carried on the first partial shell.
8. A printing press cylinder according to Claim 7, wherein the latch comprises a spring urging the moving part into the latched position.
9. A printing press cylinder according to Claim 4, wherein the latch is manually releasable.
10. A printing press cylinder according to Claim 1, further comprising:
  - on the first hub, a second profile for engaging a second partial shell,
  - on the second hub, a second profile for engaging a second partial shell, and
  - a second partial shell having a second pair of profiles adapted for engaging the second profiles on each of the first and second hubs.

11. A printing press cylinder according to Claim 10, wherein the first and second profiles on each of the first and second hubs have different shapes, the first partial shell first pair of profiles are adapted for engaging the first profiles on each of the hubs, and the second partial shell second pair of profiles are adapted for engaging the second profiles on each of the hubs.
12. A printing press cylinder according to Claim 10, wherein the first and second profiles on each of the first and second hubs have the same shape, the first partial shell first pair of profiles are adapted for engaging both the first and second profiles on each of the hubs, and the second partial shell second pair of profiles are adapted for engaging both the first and second profiles on each of the hubs.
13. A printing press cylinder according to Claim 10, further comprising a latch releasably attaching the second partial shell to at least one of the first and second hubs when the second partial shell second pair of profiles are engaged with the second profiles on each of the first and second hubs.
14. A printing press cylinder according to Claim 13, wherein the latch comprises a moving part carried on at least one of the first and second hubs.
15. A printing press cylinder according to Claim 14, wherein the latch comprises a spring urging the moving part into the latched position.

16. A printing press cylinder according to Claim 13, wherein the latch comprises a moving part carried on the second partial shell.
17. A printing press cylinder according to Claim 16, wherein the latch comprises a spring urging the moving part into the latched position.
18. A printing press cylinder according to Claim 13, wherein the latch is manually releasable.
19. A printing press cylinder according to Claim 10, wherein the first and second partial shells define an eccentric outer contour.
20. A printing press cylinder according to Claim 10, wherein the first and second partial shells define a cylindrical outer contour.
21. A printing press cylinder according to Claim 10, wherein the first and second partial shells define an outer contour having a false radius.
22. A printing press cylinder according to Claim 10, wherein the first and second hubs each have a third profile for engaging a third partial shell, and  
a third partial shell having a third pair of profiles adapted for engaging the third profiles on each of the first and second hubs.

23. A method for installing and removing a cylinder in a printing press, comprising:
- forming first and second profiles on an outer surface of a first hub,
  - forming a bore adapted for engaging a printing press shaft through the first hub,
  - forming first and second profiles on an outer surface of a second hub,
  - forming a bore adapted for engaging a printing press shaft through the second hub,
  - forming first profiles on a first partial shell, the first profiles adapted for engaging the first profiles on the first and second hubs, and
  - forming second profiles on a second partial shell, the second profiles adapted for engaging the second profiles on the first and second hubs.
24. A method according to Claim 23, further comprising providing a first latch adapted for releasably holding the first partial shell first profiles in engagement with the first profiles on the first and second hubs.
25. A method according to Claim 24, further comprising providing a second latch adapted for releasably holding the second partial shell second profiles in engagement with the second profiles on the first and second hubs.
26. A method according to Claim 25, further comprising installing the first and second hubs on a printing press shaft.

27. A method according to Claim 26, further comprising installing the first partial shell on the first and second hubs by manually engaging the first partial shell first profiles with the first profiles on the first and second hubs and closing the first latch.
28. A method according to Claim 27, further comprising removing the first partial shell from the first and second hubs by manually opening the latch and separating the first partial shell first profiles from the first profiles on the first and second hubs.
29. A method according to Claim 26, further comprising installing the second partial shell on the first and second hubs, with the second partial shell second profiles engaged with the second profiles on the first and second hubs and closing the second latch.
30. A method according to Claim 29, further comprising removing the second partial shell from the first and second hubs by manually opening the second latch and separating the second partial shell first profiles from the second profiles on the first and second hubs.

31. A method for installing a cylinder in a printing press, comprising:
- attaching a pair of hubs to a printing press shaft,
  - attaching a first partial shell to the pair of hubs with a manually releasable latch,
  - and
  - attaching a second partial shell to the pair of hubs with a manually releasable latch.
32. A method according to Claim 31, wherein the pair of hubs have profiles on outer surfaces and the first partial shell and second partial shell have profiles on inner surfaces, further comprising engaging the partial shell profiles with the hub profiles.

33. A method for removing a cylinder from a printing press, the cylinder comprising a pair of hubs attached to a press shaft and first and second partial shells attached to the hubs by manually releasable latches, comprising:
- manually opening the latches,
  - removing a first partial shell from the hubs and from the press, and
  - removing a second partial shell from the hubs and from the press.
34. A method for installing a cylinder in a printing press, the press comprising a shaft having first and second hubs having profiles on outer surfaces, comprising:
- attaching a first partial shell having profiles on an inner surface complementary to a profile on the first and second hubs to the pair of hubs with a manually releasable latch, and
  - attaching a first partial shell having profiles on an inner surface complementary to a profile on the first and second hubs to the pair of hubs with a manually releasable latch.



35. A kit for a printing press cylinder, comprising:
- a first hub having a bore for engaging a printing press shaft and having a first profile for engaging a first partial shell and a second profile for engaging a second partial shell,
  - a second hub having a bore for engaging a printing press shaft and having a first profile for engaging a first partial shell and a second profile for engaging a second partial shell,
  - a first partial shell having a first pair of profiles adapted for engaging the first profiles on each of the first and second hubs, and
  - a second partial shell having a second pair of profiles adapted for engaging the second profiles on each of the first and second hubs.
36. A kit according to Claim 35, wherein the first and second partial shells have first and second outer contours respectively, further comprising:
- a third partial shell having a first pair of profiles adapted for engaging the first profiles on each of the first and second hubs and having a third outer contour different from first outer contour, and
  - a fourth partial shell having a second pair of profiles adapted for engaging the second profiles on each of the first and second hubs and having a fourth outer contour different from second outer contour.
37. A kit according to Claim 36, wherein the first and second outer contours are the same.

38. A kit according to Claim 36, wherein the first and second outer contours are the different.

39. A kit for replacing a cylinder in a printing press, wherein the printing press comprises a first hub carried on a printing press shaft and having a first profile for engaging a first partial shell and a second profile for engaging a second partial shell, and a second hub carried on the printing press shaft and having a first profile for engaging a first partial shell and a second profile for engaging a second partial shell, comprising:

a first partial shell having a first pair of profiles adapted for engaging the first profiles on each of the first and second hubs, and

a second partial shell having a second pair of profiles adapted for engaging the second profiles on each of the first and second hubs.